

# Kaiser Permanente Kraemer Radiation Oncology Center

Anaheim, California



**SQ FT**  
**16,000 BGSF**



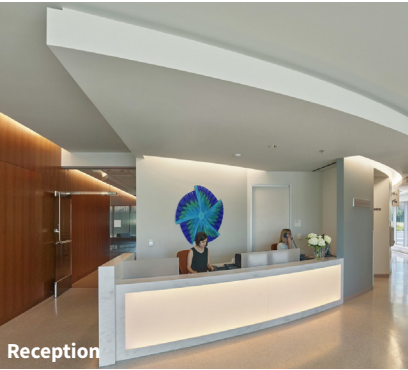
**OWNER/AFFILIATION**  
Kaiser Permanente



**ARCHITECT(S)**  
Yazdani Studio of  
Cannon Design

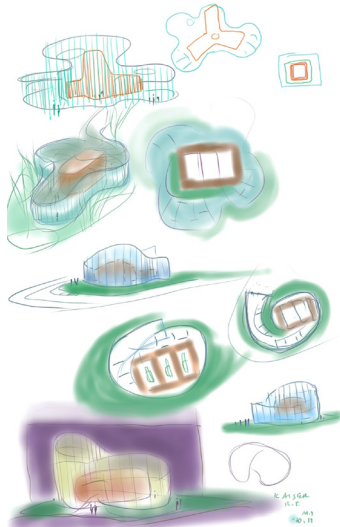


**COMPLETION DATE**  
June 2015



## ABOUT | DESIGN INTENTIONS

The design approach focused on the distinct needs of cancer patients and their treatment schedules, which typically occur five days a week for five to eight consecutive weeks. **To alleviate the stress and anxiety that comes with treatment, we harnessed natural light, views to nature, and soothing interior colors to create a calming and nature-oriented experience that feels more like a spa than a diagnostic and treatment center.** The three linear accelerator treatment rooms are located at the heart of the building, enclosed within three-foot-thick concrete walls. A glass wall stretches across the footwall of each room, opening onto a Zen garden and a plush vertical garden.



Concept sketches



Lobby



# Kaiser Permanente Kraemer Radiation Oncology Center

Anaheim, California

*“a unique, state-of-art building for cancer patients that was healing, stress-relieving, and full of natural light”*

## STRATEGIES

### Double glazed facade

The double-glazed exterior walls fan out to embrace a landscape of wild grasses and drought-resistant plantings.

### Connection with Nature

Inner panes of glass of the double-skin facade are fritted with ghostly images of a forest.

### Framing the view

Where walls flare out, clear glazing frames vistas.

### Natural Materials

Walls clad in cherry wood and casual seating set the tone in a corridor outside offices.

### View to nature

- ▶ Each treatment room looks into a narrow zen garden with a living wall and features indirect lighting.
- ▶ Other spaces including the reception area to contribute to creating a soothing environment.
- ▶ Plush vertical garden wall is also included at LINAC rooms to add calming effect to otherwise stressful procedures.



Views to Nature



Nature materials



Fritted glass



Framing the view



Entrance



Fritted glass



Fritted glass



Linear accelerator room



# Kaiser Permanente Kraemer Radiation Oncology Center

Anaheim, California

KEY:

- Linear Accelerator Vaults (including vertical garden)
- Exam room
- CT scanner room
- Patient holding
- Staff support/work area
- Reception/waiting
- Administration

KEY SPACES:

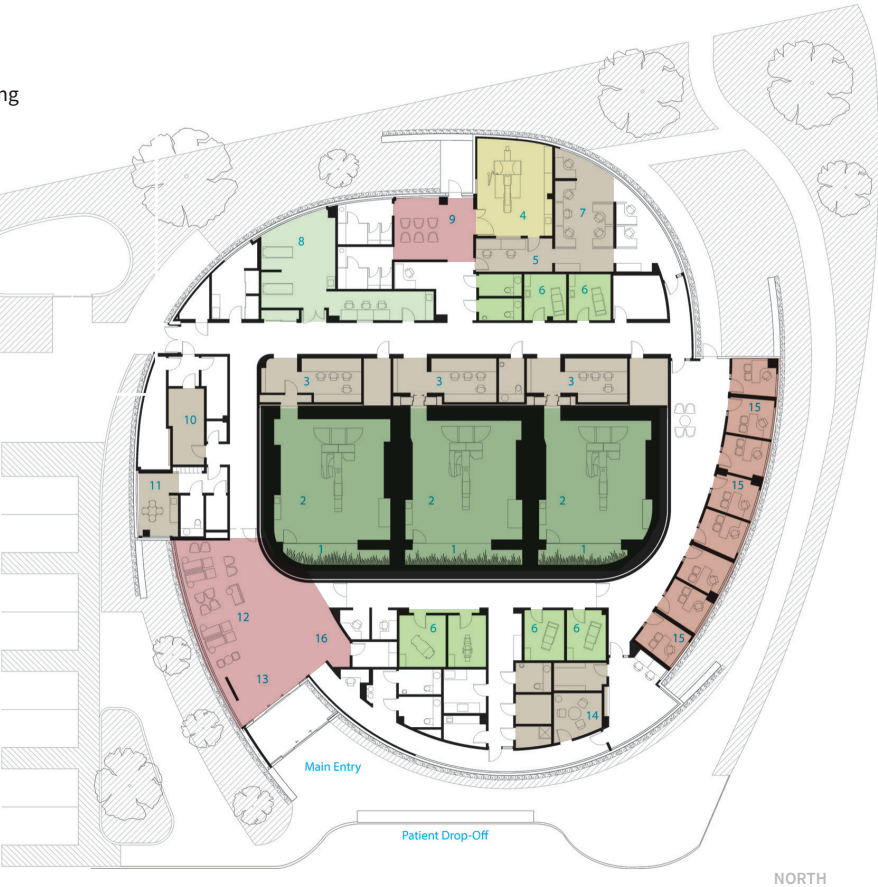
- Linear Accelerator Vaults (861-887 sf) including verticle garden (112-129 sf)
- Control Rooms (144 sf)
- Exam Rooms (112-114 sf)
- Offices (92 sf)
- CT Scanner Room (402 sf)
- CT Control Room (146 sf)

DEPARTMENTAL SQUARE FOOT TAKE-OFFS

	Net	Gross
Registration/waiting	1026 SF	1303 SF
Scan area	5034 SF	6393 SF
Exam and support area	4958 SF	6297 SF
Staff areas	852 SF	1082 SF
Mechanical + Electrical	730 SF	919 SF

FLOOR PLAN

- 1 Zen Garden
- 2 Linear Accelerator
- 3 Control Room
- 4 Work Area
- 5 CT Control Room
- 6 Exam Room
- 7 Treatment Planning
- 8 Patient Holding
- 9 Sub-Waiting
- 10 Electrical Room
- 11 Staff Lounge
- 12 Waiting Area
- 13 Lobby
- 14 Conference
- 15 Office
- 16 Reception



TRAVEL DISTANCE ANALYSIS:

- +From entrance to registration: 73 ft
- +From registration to medical waiting: 21 ft
- +From medical waiting to exam room: 68ft - 213ft
- +From exam room to patient holding: 50 ft
- +From patient holding to operating room: 74-86 ft
- +From operating room to exit: 56-120 ft

KEY:

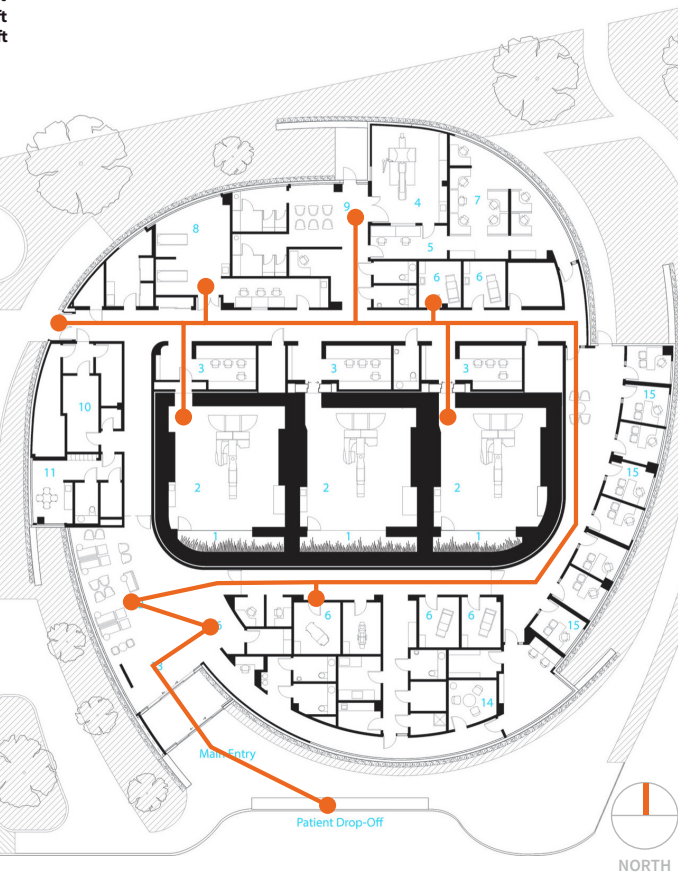
- Circulation Path

AIA/AAH DESIGN AWARD WINNER

Category: Built, less than \$25 million in construction cost

JURY COMMENT:

- There is a clear manifestation from concept to exterior that balances visual experience and privacy.
- Given the issues with linear accelerators, the idea of this building as a standalone object makes sense.
- The jury was impressed with the design team's approach of introducing a garden into a concrete bunker with access to natural light.
- The use of patterned glass to create translucency, offer privacy, with selective breaks in the pattern framing views to the landscape was successful.



PROJECT INFORMATION:

**Project:** Kaiser Permanente, Kraemer Radiation Oncology Center  
**Project location:** Anaheim, California  
**Owner/Client:** Kaiser Permanente  
**Architect:** Yazdani Studio of Cannon Design  
Interior designer: CannonDesign  
Landscape architect: AHBE  
Structural engineer: John A. Marin & Associates  
Civil engineer: RBF  
M/P engineer: M+NLB/Mazzetti  
Electrical engineer: DPB Engineering  
General contractor: Turner  
Security consultant: Guidepost Solutions  
Photographs/Illustrations: Bruce Damonte  
Construction cost: \$13,000,000  
Building area GSF: 16,000 sf  
Construction start date: June 2014  
Substantial completion date: June 2015  
Description: The design for this LEED Gold

DISRIPTION:

Radiation therapy building focuses on providing a highly supportive environment which provides treatment and care of cancer patients. The challenge was to create an environment that reduces stress for member patients and families, provides the best current technological infrastructure, and is an excellent place for physicians and staff to perform their work. The design provides a calming, nature oriented experience through the use of natural light, organic forms, outdoor views to nature, soothing interior colors, and an internal "Zen Garden" which contains a vibrant living wall garden visible from the treatment areas.